

Chapter 2 Preview
Foundations of Algebra
Integrated Math 2

Name _____

Date _____

Definitions: Define the following terms

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|------------------------------|---------------------------------------|
| 1. Integers | 17. Terms (in expressions) |
| 2. Opposites | 18. Like terms |
| 3. Rational Number | 19. Unlike terms |
| 4. Irrational Number | 20. Combining like terms |
| 5. Real Number | 21. Property of the opposite of a sum |
| 6. Coordinate of the point | 22. Distributive property |
| 7. Graph of the number | 23. Order of Operations |
| 8. Variable | 24. Exponential form |
| 9. Absolute value | 25. Base |
| 10. Opposite of the opposite | 26. Exponent |
| 11. Numerical expression | 27. Standard form |
| 12. Value | 28. Scientific notation |
| 13. Simplify | 29. Look for a pattern |
| 14. Exponent | 30. Sequence |
| 15. Variable expression | 31. Term (in patterns) |
| 16. Evaluate | |

You *should* be able to do the following objectives:

1. Graph sets of numbers on a number line
2. Evaluate expressions with absolute value
3. Evaluate numerical expressions using the order of operations
4. Write variable expressions to represent word phrases
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6. Simplify variable expressions
7. Evaluate variable expressions
8. Add, subtract, multiply, and divide to simplify variable expressions
9. Choose appropriate units of measure
10. Apply the properties of exponents to simplify expressions
11. Write numbers using zero and negative integers as exponents
12. Write numbers in scientific notation
13. Recognize and extend patterns to solve problems

Be able to identify:

- | | |
|---|-------------------------------|
| 1. The order of operations | |
| 2. Word phrases for addition, subtraction, multiplication, and division | |
| 3. Product Rule | 4. Power Rule |
| 5. Power of a Product Rule | 6. Quotient Rule |
| 7. Power of a Quotient Rule | 8. Zero Property of Exponents |
| 9. Property of Negative Exponents | |

Check the class wiki for wiki summary assignments.